

Release notes for ENDF/B Development n-030_Zn_068
evaluation



April 26, 2017

- **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.
MAT=3037, MF= 6, MT=102 (1): Bad norm (a)

```
ERROR(S) FOUND IN MAT=3037, MF= 6, MT=102
CHECK NORMALIZATION= 0.999440 AT E= 1.0000E+00
CHECK NORMALIZATION= 0.999399 AT E= 1.0000E+02
```

- **psyche** Warnings:

1. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 68. L = 0 / AT RESONANCE ENERGY 5.04000E+03 EV. THE GAMMA WIDTH 7.30000E-02 DEVIATES TOO MUCH FROM THE AVERAGE 2.94263E-01 (0): Gamma width

```
FILE 2
SECTION 151
ISOTOPE MASS = 68. L = 0
AT RESONANCE ENERGY 5.04000E+03 EV. THE GAMMA WIDTH 7.30000E-02 DEVIATES TOO MUCH FROM THE AV
```

2. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 68. L = 0 / AT RESONANCE ENERGY 6.56600E+04 EV. THE GAMMA WIDTH 1.29000E+00 DEVIATES TOO MUCH FROM THE AVERAGE 2.94263E-01 (0): Gamma width

```
FILE 2
SECTION 151
ISOTOPE MASS = 68. L = 0
AT RESONANCE ENERGY 6.56600E+04 EV. THE GAMMA WIDTH 1.29000E+00 DEVIATES TOO MUCH FROM THE AV
```

3. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 68. L = 1 / AT RESONANCE ENERGY 1.06170E+05 EV. THE GAMMA WIDTH 5.00000E-02 DEVIATES TOO MUCH FROM THE AVERAGE 1.64250E-01 (0): Gamma width

```
FILE 2
SECTION 151
ISOTOPE MASS = 68. L = 1
AT RESONANCE ENERGY 1.06170E+05 EV. THE GAMMA WIDTH 5.00000E-02 DEVIATES TOO MUCH FROM THE AV
```

4. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 107 / THE CALCULATED Q 6.48228E+05 DISSAGREES WITH THE GIVEN Q 7.65233E+05 (0): Iffy Q

```
FILE 3
SECTION 107
THE CALCULATED Q 6.48228E+05 DISSAGREES WITH THE GIVEN Q 7.65233E+05
```

- **recent** Warnings:

1. Statistical weight of certain L values were incorrect
0: RRR goof (a)

```
Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
```

```
=====  
Retrieval Criteria----- MAT  
File 2 Minimum Cross Section- 1.0000E-10 (Standard Option)  
Reactions with No Background- Output (Resonance Contribution)  
... [641 more lines]
```

- groupie Errors:

1. Very small elastic cross section found
0: Small elastic

```
Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)
```

```
=====  
ENDF/B Input and Output Data Filenames  
ENDFB.IN  
ENDFB.OUT  
... [97 more lines]
```

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved (Error # 1): missingResonanceChannel

```
WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"  
WARNING: Missing a channel with angular momenta combination L = 1, J = 0.5 and S = 1.5 for "capture"  
WARNING: Missing a channel with angular momenta combination L = 1, J = 1.5 and S = 1.5 for "capture"  
WARNING: Missing a channel with angular momenta combination L = 1, J = 2.5 and S = 1.5 for "capture"  
... plus 5 more instances of this message
```

2. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

```
WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.12%
```

- fudge-4.0 Errors:

1. The spin statistical weights are off, indicating missing channels
resonances / resolved / MultiLevel.BreitWigner (Error # 0): badSpinStatisticalWeights

```
WARNING: The spin statical weights for L=2 sums to 2.0, but should sum to 5.0. You have too few channels for re
```

2. Energy range of data set does not match cross section range
*reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product:
gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)*

```
WARNING: Domain doesn't match the cross section domain: (2373010.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
```

3. Energy range of data set does not match cross section range
*reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Distribution: /
uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)*

```
WARNING: Domain doesn't match the cross section domain: (2373010.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
```

```
WARNING: Domain doesn't match the cross section domain: (2999790.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
```

```
WARNING: Domain doesn't match the cross section domain: (3451400.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
```

```
WARNING: Domain doesn't match the cross section domain: (2999790.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
```

```
... plus 57 more instances of this message
```

4. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (2999790.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
5. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3451400.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
6. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (2999790.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
7. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (2791220.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
8. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3126960.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
9. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3231430.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
10. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1800000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
11. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3126960.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
12. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3200430.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

13. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3200430.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

14. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

15. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

16. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3330170.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

17. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (2373010.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

18. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3330170.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

19. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3335900.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

20. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_r / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3435270.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

21. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_s / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

22. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_t / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1200000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
23. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_u / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
24. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_v / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3200430.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
25. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_w / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3330170.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
26. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_x / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (2547480.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
27. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_y / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3330170.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
28. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_z / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (2547480.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
29. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_aa / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3335900.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
30. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ab / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (2791220.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

31. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ac / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3435270.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
32. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ad / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3451400.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
33. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ae / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (2791220.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
34. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_af / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3510100.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
35. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ag / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
36. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ah / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3335900.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
37. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ai / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
38. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_aj / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
39. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ak / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3435270.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

40. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_al / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3451400.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

41. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_am / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (2999790.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

42. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_an / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (2999790.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

43. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ao / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3126960.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

44. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ap / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (2373010.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

45. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_aq / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3200430.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

46. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ar / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3330170.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

47. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_as / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3330170.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

48. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_at / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3335900.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

49. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_au / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3335900.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
50. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_av / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3451400.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
51. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_aw / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3510100.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
52. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ax / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3539080.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
53. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ay / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
54. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_az / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (2547480.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
55. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_ba / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
56. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_bb / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
57. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c ->Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_bc / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (2999790.0 -> 20000000.0) vs (105000.0 -> 20000000.0)

58. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c -> Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_bd / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3335900.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
59. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c -> Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_be / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3451400.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
60. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c -> Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_bf / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3510100.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
61. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c -> Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_bg / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (3539080.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
62. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c -> Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_bh / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
63. Energy range of data set does not match cross section range
reaction label 29: n + (Zn68_c -> Zn68 + gamma) / Product: Zn68_c / Decay product: gamma_bi / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (4000000.0 -> 20000000.0) vs (105000.0 -> 20000000.0)
64. Calculated and tabulated Q values disagree.
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -10232993.44705963 eV vs -1.01981e7 eV!
65. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)
66. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_a / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

67. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

68. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_b / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

69. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

70. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

71. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

72. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_d / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

73. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

74. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_e / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

75. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

76. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_f / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

77. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

78. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_g / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

79. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

80. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_h / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

81. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

82. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_i / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

83. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

84. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_j / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

85. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

86. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_k / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

87. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

88. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_l / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

89. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

90. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_m / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

91. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

92. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

93. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

94. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_o / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

95. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

96. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_p / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

97. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

98. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_q / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

99. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_r / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

100. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_r / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

101. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_s / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

102. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_s / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

103. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_t / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

104. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_t / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

105. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_u / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

106. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_u / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

107. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_v / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

108. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_v / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

109. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_w / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

110. Energy range of data set does not match cross section range
reaction label 30: n[multiplicity:'2'] + Zn67 + gamma / Product: gamma_w / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (10349500.0 -> 20000000.0)

111. Calculated and tabulated Q values disagree.
reaction label 31: n[multiplicity:'3'] + Zn66 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -17285325.31968689 eV vs -1.72504e7 eV!

112. Calculated and tabulated Q values disagree.
reaction label 32: n + H1 + Cu67 + gamma (Error # 0): Q mismatch

- WARNING: Calculated and tabulated Q-values disagree: -10522982.74138641 eV vs -9977410. eV!
113. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 → 20000000.0) vs (10125600.0 → 20000000.0)
114. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_a / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 → 20000000.0) vs (10125600.0 → 20000000.0)
115. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 → 20000000.0) vs (10125600.0 → 20000000.0)
116. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_b / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 → 20000000.0) vs (10125600.0 → 20000000.0)
117. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 → 20000000.0) vs (10125600.0 → 20000000.0)
118. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 → 20000000.0) vs (10125600.0 → 20000000.0)
119. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 → 20000000.0) vs (10125600.0 → 20000000.0)
120. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_d / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 → 20000000.0) vs (10125600.0 → 20000000.0)
121. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 → 20000000.0) vs (10125600.0 → 20000000.0)

122. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_e / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (10125600.0 -> 20000000.0)
123. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (10125600.0 -> 20000000.0)
124. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_f / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (10125600.0 -> 20000000.0)
125. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (10125600.0 -> 20000000.0)
126. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_g / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (10125600.0 -> 20000000.0)
127. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (10125600.0 -> 20000000.0)
128. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_h / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (10125600.0 -> 20000000.0)
129. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (10125600.0 -> 20000000.0)
130. Energy range of data set does not match cross section range
reaction label 32: n + H1 + Cu67 + gamma / Product: gamma_i / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (10125600.0 -> 20000000.0)

131. Calculated and tabulated Q values disagree.
reaction label 33: n + H2 + Cu66 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -17430853.94769287 eV vs -1.68847e7 eV!
132. Calculated and tabulated Q values disagree.
reaction label 34: Zn69 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 6447173.092590332 eV vs 6482070. eV!
133. Calculated and tabulated Q values disagree.
reaction label 35: n + He4 + Ni64 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -6390645.379722595 eV vs -5332860. eV!
134. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
135. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_a / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
136. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
137. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_b / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
138. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
139. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
140. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)

- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
141. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_d / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
142. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
143. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_e / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
144. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
145. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_f / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
146. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (10000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
147. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_g / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (10000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
148. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
149. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_h / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)

150. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
151. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_i / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
152. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
153. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_j / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
154. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
155. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_k / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
156. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (10000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
157. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_l / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (10000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
158. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)

159. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_m / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
160. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
161. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
162. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
163. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_o / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
164. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
165. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_p / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
166. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
167. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_q / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)

168. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_r / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
169. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_r / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
170. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_s / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
171. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_s / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
172. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_t / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
173. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_t / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
174. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_u / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
175. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_u / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
176. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_v / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)

177. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_v / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
178. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_w / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (10000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
179. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_w / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (10000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
180. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_x / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
181. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_x / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
182. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_y / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
183. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_y / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
184. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_z / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
185. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_z / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)

186. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_aa / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
187. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_aa / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
188. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_ab / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
189. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_ab / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
190. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_ac / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
191. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_ac / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
192. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_ad / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
193. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_ad / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
194. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_ae / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)

195. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_ae / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
196. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_af / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
197. Energy range of data set does not match cross section range
reaction label 35: n + He4 + Ni64 + gamma / Product: gamma_af / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12000000.0 -> 20000000.0) vs (5412050.0 -> 20000000.0)
198. Calculated and tabulated Q values disagree.
reaction label 36: H1[multiplicity:'2'] + Ni67 (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -13827408.79748535 eV vs -1.27712e7 eV!
199. Calculated and tabulated Q values disagree.
reaction label 37: H1 + Cu68_s (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -4203409.729347229 eV vs -3657840. eV!
200. Calculated and tabulated Q values disagree.
reaction label 38: H2 + Cu67_s (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -8299031.477241516 eV vs -7752840. eV!
201. Calculated and tabulated Q values disagree.
reaction label 39: H3 + Cu66_s (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -10662332.27120972 eV vs -1.06274e7 eV!
202. Calculated and tabulated Q values disagree.
reaction label 40: He3 + Ni66_s (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -10895729.72041321 eV vs -1.08608e7 eV!
203. Calculated and tabulated Q values disagree.
reaction label 41: He4 + Ni65_s (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -292553.7072372437 eV vs 765233. eV!
204. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 31: n + (Zn68_c -> Zn68 + gamma) total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 0.14%

205. Multiplicity does not match sum of linked product multiplicities!
 $multiplicitySum$ label 32: $n[multiplicity:'2'] + Zn67 + \text{gamma total gamma multiplicity}$
 (Error # 0): *summedMultiplicityMismatch*
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 97.64%
206. Multiplicity does not match sum of linked product multiplicities!
 $multiplicitySum$ label 33: $n[multiplicity:'3'] + Zn66 + \text{gamma total gamma multiplicity}$
 (Error # 0): *summedMultiplicityMismatch*
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 99.32%
207. Multiplicity does not match sum of linked product multiplicities!
 $multiplicitySum$ label 34: $n + H1 + Cu67 + \text{gamma total gamma multiplicity}$ (Error # 0): *summedMultiplicityMismatch*
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 95.80%
208. Multiplicity does not match sum of linked product multiplicities!
 $multiplicitySum$ label 35: $n + H2 + Cu66 + \text{gamma total gamma multiplicity}$ (Error # 0): *summedMultiplicityMismatch*
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 100.00%
209. Multiplicity does not match sum of linked product multiplicities!
 $multiplicitySum$ label 37: $n + He4 + Ni64 + \text{gamma total gamma multiplicity}$ (Error # 0): *summedMultiplicityMismatch*
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 82.38%
- njoy2012 Warnings:
 1. Recoil is not given, so one-particle recoil approximation used.
 $heatr...prompt kerma$ (0): *HEATR/hinit* (4)

---message from hinit---mf6, mt 16 does not give recoil za= 30067
 one-particle recoil approx. used.
 2. Recoil is not given, so one-particle recoil approximation used.
 $heatr...prompt kerma$ (1): *HEATR/hinit* (4)

---message from hinit---mf6, mt 17 does not give recoil za= 30066
 one-particle recoil approx. used.
 3. Recoil is not given, so one-particle recoil approximation used.
 $heatr...prompt kerma$ (2): *HEATR/hinit* (4)

---message from hinit---mf6, mt 22 does not give recoil za= 28064
 one-particle recoil approx. used.
 4. Recoil is not given, so one-particle recoil approximation used.
 $heatr...prompt kerma$ (3): *HEATR/hinit* (4)

---message from hinit---mf6, mt 28 does not give recoil za= 29067
 one-particle recoil approx. used.

5. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (4): HEATR/hinit (4)

```
---message from hinit---mf6, mt 32 does not give recoil za= 29066
one-particle recoil approx. used.
```

6. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (5): HEATR/hinit (4)

```
---message from hinit---mf6, mt 51 does not give recoil za= 30068
one-particle recoil approx. used.
```

7. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (6): HEATR/hinit (4)

```
---message from hinit---mf6, mt 52 does not give recoil za= 30068
one-particle recoil approx. used.
```

8. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (7): HEATR/hinit (4)

```
---message from hinit---mf6, mt 53 does not give recoil za= 30068
one-particle recoil approx. used.
```

9. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (8): HEATR/hinit (4)

```
---message from hinit---mf6, mt 54 does not give recoil za= 30068
one-particle recoil approx. used.
```

10. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (9): HEATR/hinit (4)

```
---message from hinit---mf6, mt 55 does not give recoil za= 30068
one-particle recoil approx. used.
```

11. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (10): HEATR/hinit (4)

```
---message from hinit---mf6, mt 56 does not give recoil za= 30068
one-particle recoil approx. used.
```

12. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (11): HEATR/hinit (4)

```
---message from hinit---mf6, mt 57 does not give recoil za= 30068
one-particle recoil approx. used.
```

13. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (12): HEATR/hinit (4)

```
---message from hinit---mf6, mt 58 does not give recoil za= 30068
one-particle recoil approx. used.
```

14. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (13): HEATR/hinit (4)

---message from hinit---mf6, mt 59 does not give recoil za= 30068
one-particle recoil approx. used.

15. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (14): HEATR/hinit (4)

---message from hinit---mf6, mt 60 does not give recoil za= 30068
one-particle recoil approx. used.

16. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (15): HEATR/hinit (4)

---message from hinit---mf6, mt 61 does not give recoil za= 30068
one-particle recoil approx. used.

17. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (16): HEATR/hinit (4)

---message from hinit---mf6, mt 62 does not give recoil za= 30068
one-particle recoil approx. used.

18. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (17): HEATR/hinit (4)

---message from hinit---mf6, mt 63 does not give recoil za= 30068
one-particle recoil approx. used.

19. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (18): HEATR/hinit (4)

---message from hinit---mf6, mt 64 does not give recoil za= 30068
one-particle recoil approx. used.

20. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (19): HEATR/hinit (4)

---message from hinit---mf6, mt 65 does not give recoil za= 30068
one-particle recoil approx. used.

21. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (20): HEATR/hinit (4)

---message from hinit---mf6, mt 66 does not give recoil za= 30068
one-particle recoil approx. used.

22. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (21): HEATR/hinit (4)

---message from hinit---mf6, mt 67 does not give recoil za= 30068
one-particle recoil approx. used.

23. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (22): HEATR/hinit (4)

---message from hinit---mf6, mt 68 does not give recoil za= 30068
one-particle recoil approx. used.

24. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (23): HEATR/hinit (4)

---message from hinit---mf6, mt 69 does not give recoil za= 30068
one-particle recoil approx. used.

25. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (24): HEATR/hinit (4)

---message from hinit---mf6, mt 70 does not give recoil za= 30068
one-particle recoil approx. used.

26. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (25): HEATR/hinit (4)

---message from hinit---mf6, mt 71 does not give recoil za= 30068
one-particle recoil approx. used.

27. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (26): HEATR/hinit (4)

---message from hinit---mf6, mt 72 does not give recoil za= 30068
one-particle recoil approx. used.

28. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (27): HEATR/hinit (4)

---message from hinit---mf6, mt 73 does not give recoil za= 30068
one-particle recoil approx. used.

29. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (28): HEATR/hinit (4)

---message from hinit---mf6, mt 74 does not give recoil za= 30068
one-particle recoil approx. used.

30. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (29): HEATR/hinit (4)

---message from hinit---mf6, mt 75 does not give recoil za= 30068
one-particle recoil approx. used.

31. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (30): HEATR/hinit (4)

---message from hinit---mf6, mt 76 does not give recoil za= 30068
one-particle recoil approx. used.

32. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (31): HEATR/hinit (4)

---message from hinit---mf6, mt 77 does not give recoil za= 30068
one-particle recoil approx. used.

33. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (32): HEATR/hinit (4)

```
---message from hinit---mf6, mt 78 does not give recoil za= 30068  
one-particle recoil approx. used.
```

34. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (33): HEATR/hinit (4)

```
---message from hinit---mf6, mt 91 does not give recoil za= 30068  
one-particle recoil approx. used.
```

35. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (34): HEATR/hinit (4)

```
---message from hinit---mf6, mt102 does not give recoil za= 30069  
photon momentum recoil used.
```

36. The evaluation was missing a file 12. This may be OK. Or not.
acer...monte carlo neutron and photon data (0): No MF12

```
message from gamsum---file 12 not found.
```